Author Index

Abeles, F.B., see Dugad, L.B. (1118) 36
Adlercreutz, P., see Clapés, P. (1118) 70
Aguilar, C.F., Thomas, P.J., Moss, D.S., Mills, A. and Palmer, R.A.
Novel non-productively bound ribonuclease inhibitor complexes – high resolution X-ray refinement studies on the binding of RNase-A to cytidylyl-2′,5′-guanosine (2′,5′CpG) and deoxycytidylyl-3′,5′-guanosine (3′,5′dCpdG) (1118) 6
Aguilar, J., see Cabiscol, E. (1118) 155
Akabane, T., see Nakajo, S. (1118) 293
Albertini, G., see Fini, C. (1118) 187
Allan, J.A., see Henderson, C.J. (1118) 99
Andersen, S.O., Jacobsen, J.P., Bojesen, G. and Roepstorff, P.
Phenoloxidase catalyzed coupling of catechols. Identification of novel coupling products (1118) 134
Andersson, M., see Mårtensson, L.G. (1118) 179
Arroyo-Reyna, A., see Solís-Mendiola, S. (1118) 288

Badia, J., see Cabiscol, E. (1118) 155
Baldoma, L., see Cabiscol, E. (1118) 155
Battistuzzi, G. and Sola, M.
Fe^{3+} binding to ovotransferrin in the presence of α-amino acids (1118) 313
Baudry, M., see Sarrouilhe, D. (1118) 116
Bauminger, E.R., Harrison, P.M., Hechel, D., Nowik, I. and Treffry, A.
Mössbauer spectroscopic investigation of structure-function relations in ferritins (1118) 48
Bergenhem, N., see Mårtensson, L.G. (1118) 179
Berruti, G. and Porzio, S.
Tyrosine protein kinase in boar spermatozoa: identification and partial characterization (1118) 149
Bertoli, E., see Fini, C. (1118) 187
Betzel, C., see Dolashka, P. (1118) 303
Bieth, J.G., see Padrines, M. (1118) 174
Bodur, H., see Keenoy, B.M. (1118) 169
Bojesen, G., see Andersen, S.O. (1118) 134

Cabiscol, E., Badia, J., Baldoma, L., Hidalgo, E., Aguilar, J. and Ros, J.
Inactivation of propanediol oxidoreductase of *Escherichia coli* by metal-catalyzed oxidation (1118) 155
Cala, S.E. and Miles, K.
Phosphorylation of the cardiac isoform of calsequestrin in cultured rat myotubes and rat skeletal muscle (1118) 277
Camici, M., see Sgarrella, F. (1118) 130
Carlsson, U., see Mårtensson, L.G. (1118) 179
Clapés, P. and Adlercreutz, P.
Substrate specificity of α-chymotrypsin-catalyzed esterification in organic media (1118) 70
Collen, D., see Lijnen, H.R. (1118) 144
Crowl, R.M., see Kelley, M.J. (1118) 107

Daas, P.J.H., see Kengen, S.W.M. (1118) 249
De Hoyos, J., see Specht, S.C. (1118) 77
Del Corso, A., see Sgarrella, F. (1118) 130

Demant, E.J.F., Jensen, P.B. and Sehested, M.
Characterization of the cooperative cross-linking of doxorubicin *N*-hydroxysuccinimide ester derivatives to water soluble proteins (1118) 83
Dennis, E.A., see Kelley, M.J. (1118) 107
Dimov, I., see Dolashka, P. (1118) 303
Dolashka, P., Dimov, I., Genov, N., Svendsen, I., Wilson, K.S. and Betzel, C.
Fluorescence properties of native and photooxidised proteinase K: the X-ray model in the region of the two tryptophans (1118) 303
Dugad, L.B., Goff, H.M. and Abeles, F.B.
^{1}H-NMR characterization of cucumber peroxidases (1118) 36
Duits, E.F.G., see Kengen, S.W.M. (1118) 249

Easton, M.J. and Yon, R.J.
Inactivation of wheat-germ aspartate transcarbamoylase by the triazinyl dye, Procion Red HE3B (1118) 298
Emelyanenko, V.E., see Khusainov, A.A. (1118) 211

Fini, C., Bertoli, E., Albertini, G., Floridi, A. and Tanfani, F.
Structural and functional relationships in 5′-nucleotidase from bull seminal plasma. A Fourier transform infrared study (1118) 187
Floridi, A., see Fini, C. (1118) 187
Fölöp, J., see Ivkova, M.N. (1118) 231
Foster, J.D., Nelson, K.L., Sukalski, K.A., Lucius, R.W. and Nordlie, R.C.
Hysteretic behavior of the hepatic microsomal glucose-6-phosphatase system (1118) 91
Fujitani, N., see Kimura, A. (1118) 59
Fukazawa, H., see Funaki, T. (1118) 21
Funaki, T., Ichihara, S., Fukazawa, H. and Kuruma, I.
The behavior of remaining enzyme activity in a suicidal enzyme system (1118) 21

Gaud, R.E., see Specht, S.C. (1118) 77
Genov, N., see Dolashka, P. (1118) 303
Georgalis, Y., Zouni, A., Hahn, U. and Saenger, W.
Synthesis and kinetic study of transition state analogs for ribonuclease T1 (1118) 1
Goff, H.M., see Dugad, L.B. (1118) 36
Gololobov, M.Y., Morozova, I.P., Vojushina, T.L., Timokhina, E.A. and Stepanov, V.M.
Subtilisin from *Bacillus subtilis* strain 72. The influence of substrate structure, temperature and pH on catalytic properties (1118) 267
Goto, S., see Koike, K. (1118) 223

Hahn, U., see Georgalis, Y. (1118) 1
Hallenbeck, P.C.
Mutations affecting nitrogenase switch-off in *Rhodobacter capsulatus* (1118) 161
Halling, P.J., see Valivety, R.H. (1118) 218
Harrison, P.M., see Bauminger, E.R. (1118) 48
Hechel, D., see Bauminger, E.R. (1118) 48

Henderson, C.J., Russell, A.L., Allan, J.A. and Wolf, C.R.
Sexual differentiation and regulation of cytochrome *P*-450 CYP2C7 (1118) 99
Hernández-Arana, A., see Solís-Mendiola, S. (1118) 288
Hidalgo, E., see Cabiscol, E. (1118) 155
Horimoto, K., see Otsuka, J. (1118) 194
Horio, T., see Kimura, T. (1118) 239
Hulmes, J.D., see Nanduri, V.B. (1118) 25

Ichihara, S., see Funaki, T. (1118) 21
Ichinose, H., see Nasrin, S. (1118) 318
Imamura, T. and Kambara, T.
The major plasma kallikrein inhibitor of guinea pig plasma (1118) 261
Inukai, T., see Lin, S.-F. (1118) 41
Ivanitsky, G.R., see Khusainov, A.A. (1118) 211
Ivkov, V.G., see Ivkova, M.N. (1118) 231
Ivkova, M.N., Pletnev, V.V., Vinokurov, M.G., Pechatnikov, V.A., Ivkov, V.G., Jona, I., Fölöp, J. and Köver, A.
Effects of pH, Ca^{2+} and lanthanides on conformation of the sarcoplasmic reticulum Ca^{2+}-ATPase catalytic site (1118) 231

Jackson, M. and Mantsch, H.H.
Halogenated alcohols as solvents for proteins: FTIR spectroscopic studies (1118) 139
Jacobsen, J.P., see Andersen, S.O. (1118) 134
Jensen, P.B., see Demant, E.J.F. (1118) 83
Jona, I., see Ivkova, M.N. (1118) 231
Jonsson, B.-H., see Mårtensson, L.G. (1118) 179

Kakuno, T., see Kimura, T. (1118) 239
Kambara, T., see Imamura, T. (1118) 261
Keenoy, B.M., Bodur, H. and Malaisse, W.J.
Detritiation of L-[3-^{3}H]alanine in the glutamate-pyruvate transaminase reaction (1118) 169
Kelley, M.J., Crowl, R.M. and Dennis, E.A.
Renaturation of cobra venom phospholipase A_2 expressed from a synthetic gene in *Escherichia coli* (1118) 107
Keltjens, J.T., see Kengen, S.W.M. (1118) 249
Kengen, S.W.M., Daas, P.J.H., Duits, E.F.G., Keltjens, J.T., Van der Drift, C. and Vogels, G.D.
Isolation of a 5-hydroxybenzimidazolyl cobamide-containing enzyme involved in the methyltetrahydromethanopterin: coenzyme M methyltransferase reaction in *Methanobacterium thermoautotrophicum* (1118) 249
Khusainov, A.A., Shilnikov, G.V., Emelyanenko, V.E. and Ivanitsky, G.R.
Effect of thermoinduced changes in T4 bacteriophage structure on the process of molecular recognition of 'host' cells (1118) 211
Kihlgren, A., see Mårtensson, L.G. (1118) 179
Kilian, P.L., see Nanduri, V.B. (1118) 25
Kimura, A., Tsuji, T., Matoba, R., Fujitani, N., Ohmori, K. and Matsumura, S.
Tissue-specific and non-tissue-specific heavy-chain isoforms of myosin in the brain as revealed by monoclonal antibodies (1118) 59
Kimura, T., Miyazaki, K., Yamashita, J., Horio, T. and Kakuno, T.
Purification and partial characterization of two types of growth-inhibitory protein latently present in rabbit serum (1118) 239
Koike, K., Urata, Y. and Goto, S.
Proteinase-catalyzed activation of porcine heart muscle pyruvate dehydrogenase and identification of its cleavage site (1118) 223
Köver, A., see Ivkova, M.N. (1118) 231
Kurihara, Y., see Nakajo, S. (1118) 293
Kuruma, I., see Funaki, T. (1118) 21

Lalégerie, P., see Sarrouilhe, D. (1118) 116
Lijnen, H.R., Van Hoef, B., Matsuo, O. and Collen, D.
On the molecular interactions between plasminogen-staphylokinase, α_2-antiplasmin and fibrin (1118) 144
Lin, S.-F., Yang, T.-Y., Inukai, T., Yamasaki, M. and Tsai, Y.-C.
Purification and characterization of a novel glucooligosaccharide oxidase from *Acremonium strictum* T1 (1118) 41
Lucius, R.W., see Foster, J.D. (1118) 91

Macrae, A.R., see Valivety, R.H. (1118) 218
Malaisse, W.J., see Keenoy, B.M. (1118) 169
Mantsch, H.H., see Jackson, M. (1118) 139
Mårtensson, L.G., Jonsson, B.-H., Andersson, M., Kihlgren, A., Bergenhem, N. and Carlsson, U.
Role of an evolutionarily invariant serine for the stability of human carbonic anhydrase II (1118) 179
Martin, J., see Specht, S.C. (1118) 77
Matoba, R., see Kimura, A. (1118) 59
Matsumura, S., see Kimura, A. (1118) 59
Matsuo, O., see Lijnen, H.R. (1118) 144
Matsuoka, A. and Shikama, K.
Stability properties of *Aplysia* oxymyoglobin: effect of esterification of the heme propionates (1118) 123
Miles, K., see Cala, S.E. (1118) 277
Mills, A., see Aguilar, C.F. (1118) 6
Miyachi, H., see Otsuka, J. (1118) 194
Miyazaki, K., see Kimura, T. (1118) 239
Morozova, I.P., see Gololobov, M.Y. (1118) 267
Moss, D.S., see Aguilar, C.F. (1118) 6

Nagatsu, T., see Nasrin, S. (1118) 318
Nakajo, S., Akabane, T., Nakaya, K., Nakamura, Y. and Kurihara, Y.
An enzyme immunoassay and immunoblot analysis for curculin, a new type of taste-modifying protein: cross-reactivity of curculin and miraculin to both antibodies (1118) 293
Nakamura, Y., see Nakajo, S. (1118) 293
Nakaya, K., see Nakajo, S. (1118) 293
Nanduri, V.B., Hulmes, J.D., Pan, Y.-C.E., Kilian, P.L. and Stern, A.S.
The role of arginine residues in interleukin 1 receptor binding (1118) 25
Nasrin, S., Ichinose, H. and Nagatsu, T.
Comparison of characteristics of bovine aromatic L-amino acid decarboxylase with human enzyme (1118) 318
Nelson, K.L., see Foster, J.D. (1118) 91
Nordlie, R.C., see Foster, J.D. (1118) 91
Nowik, I., see Bauminger, E.R. (1118) 48

Ohmori, K., see Kimura, A. (1118) 59
Otsuka, J., Miyachi, H. and Horimoto, K.
Structure model of core proteins in photosystem I inferred from the comparison with those in photosystem II and bacteria; an application of principal component analysis to detect the similar regions between distantly related families of proteins (1118) 194

Padrines, M., Rabaud, M. and Bieth, J.G.
Oxidized α_1-proteinase inhibitor: a fast-acting inhibitor of human pancreatic elastase (1118) 174
Palmer, R.A., see Aguilar, C.F. (1118) 6
Pan, Y.-C.E., see Nanduri, V.B. (1118) 25
Pechatnikov, V.A., see Ivkova, M.N. (1118) 231
Pletnev, V.V., see Ivkova, M.N. (1118) 231
Porzio, S., see Berruti, G. (1118) 149

Rabaud, M., see Padrines, M. (1118) 174
Roepstorff, P., see Andersen, S.O. (1118) 134

Ros, J., see Cabiscol, E. (1118) 155
Russell, A.L., see Henderson, C.J. (1118) 99

Saenger, W., see Georgalis, Y. (1118) 1
Sarrouilhe, D., Lalégerie, P. and Baudry, M.
Endogenous phosphorylation and dephosphorylation of rat liver plasma membrane proteins, suggesting a 18 kDa phosphoprotein as a potential substrate for alkaline phosphatase (1118) 116
Sehested, M., see Demant, E.J.F. (1118) 83
Sgarrella, F., Del Corso, A., Tozzi, M.G. and Camici, M.
Deoxyribose 5-phosphate aldolase of *Bacillus cereus*: purification and properties (1118) 130
Shikama, K., see Matsuoka, A. (1118) 123
Shilnikov, G.V., see Khusainov, A.A. (1118) 211
Sola, M., see Battistuzzi, G. (1118) 313
Solís-Mendiola, S., Arroyo-Reyna, A. and Hernández-Arana, A.
Circular dichroism of cysteine proteinases from papaya latex. Evidence of differences in the folding of their polypeptide chains (1118) 288
Specht, S.C., Martin, J., Gaud, R.E. and De Hoyos, J.
Molecular isoforms of Na^+/K^+-ATPase in the nervous system and kidney of the spontaneously diabetic BB/Wor rat (1118) 77
Stepanov, V.M., see Gololobov, M.Y. (1118) 267
Stern, A.S., see Nanduri, V.B. (1118) 25
Sukalski, K.A., see Foster, J.D. (1118) 91
Svendsen, I., see Dolashka, P. (1118) 303

Tanfani, F., see Fini, C. (1118) 187
Thomas, P.J., see Aguilar, C.F. (1118) 6
Timokhina, E.A., see Gololobov, M.Y. (1118) 267
Tozzi, M.G., see Sgarrella, F. (1118) 130
Treffry, A., see Bauminger, E.R. (1118) 48
Tsai, Y.-C., see Lin, S.-F. (1118) 41
Tsuji, T., see Kimura, A. (1118) 59

Urata, Y., see Koike, K. (1118) 223

Valivety, R.H., Halling, P.J. and Macrae, A.R.
Reaction rate with suspended lipase catalyst shows similar dependence on water activity in different organic solvents (1118) 218
Van der Drift, C., see Kengen, S.W.M. (1118) 249
Van Hoef, B., see Lijnen, H.R. (1118) 144
Vinokurov, M.G., see Ivkova, M.N. (1118) 231
Vogels, G.D., see Kengen, S.W.M. (1118) 249
Vojushina, T.L., see Gololobov, M.Y. (1118) 267

Wilson, K.S., see Dolashka, P. (1118) 303
Wolf, C.R., see Henderson, C.J. (1118) 99

Yamasaki, M., see Lin, S.-F. (1118) 41
Yamashita, J., see Kimura, T. (1118) 239
Yang, T.-Y., see Lin, S.-F. (1118) 41
Yon, R.J., see Easton, M.J. (1118) 298

Zouni, A., see Georgalis, Y. (1118) 1